

File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)

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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200628

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Set	Items	Description
S1	14106	SIGNATURE? ? OR ESIGNATURE? ?
S2	267	NAME? ?(3N) (SIGN? ? OR SIGNED OR SIGNING)
S3	306801	WRITE? ? OR WRITTEN OR WRITING OR HANDWRITE? ? OR HANDWRIT- TEN OR HANDWRITING
S4	4366925	PATTERN? ? OR SHAPE? ? OR SHADING OR COLOR??? OR COLOUR??? OR GRAPHIC?? OR IMAGE? ? OR PICTURE? ?
S5	1680545	LINE? ? OR GRID? ? OR CHECKERBOARD? ? OR CHECKER()BOARD? ?
S6	53423	S4:S5(3N) (BACKGROUND? ? OR BACK()GROUND? ? OR BEHIND? ? OR - BENEATH OR UNDER OR UNDERNEATH OR UNDERSIDE? ? OR UNDERLAY??? OR UNDERLY??? OR ON()TOP OR OVERLAY??? OR OVERLAID OR OVER() (- LAY??? OR LAID) OR SUPERIMPOS??? OR SUPER()IMPOS???)
S7	2591	(S1:S3 OR STROKE? ?) (3N) (DELET??? OR OBSCUR??? OR HIDE? ? - OR HIDDEN OR HIDING OR DASH??? OR DOT OR DOTS OR DOTTED OR DO- TTING OR BROKEN OR MASK??? OR REDACT???)
S8	18	S6 AND S7
S9	14	S8 NOT AD=20000623:20030623/PR
S10	13	S9 NOT AD=20030623:20060505/PR
S11	545331	POINT(2N)SALE? ? OR RETAIL??? OR PURCHAS??? OR SHOP? ? OR - SHOPP??? OR STORE OR STORES
S12	17714	(CREDIT OR DEBIT) (3N)CARD? ?
S13	2994	(DIGITAL OR DIGITIZ??? OR DIGITIS??? OR ELECTRONIC) (3N) (PA- D? ? OR TABLET? ?)
S14	1358	S1:S3 AND S6
S15	154	S14 AND S11:S13
S16	56	S15 AND IC=(G08B OR H04L OR G06F)
S17	53	S16 NOT AD=20000623:20030623/PR
S18	50	S17 NOT AD=20030623:20060505/PR
S19	50	S18 NOT S10
S20	5	S19 AND S12:S13
S21	1747	(DIFFICULT? OR HARD?? OR "NOT"()EASY) (3N) (OBSERV??? OR DIS- CERN??? OR OVERSEE??? OR SEE OR SEES OR SEEING OR SEEN)
S22	43	S1:S3 AND S21
S23	0	S22 AND S6:S7
S24	4	S22 AND S11:S13
S25	12555	(NAME? ? OR HAND) (3N) (WRITE? ? OR WRITTEN OR WRITING) OR H- ANDWRITE? ? OR HANDWRITTEN OR HANDWRITING
S26	293	(S1:S2 OR S25) AND S6:S7
S27	39	S26 AND S11:S13
S28	38	S27 NOT AD=20000623:20030623/PR
S29	36	S28 NOT AD=20030623:20060505/PR
S30	33	S29 NOT (S10 OR S20 OR S24)
S31	0	S26 AND S21

10/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05801454 \*\*Image available\*\*  
CHARACTER TELOP FRAMING DEVICE

PUB. NO.: 10-084554 [JP 10084554 A]  
PUBLISHED: March 31, 1998 (19980331)  
INVENTOR(s): INOUE NAOYUKI  
APPLICANT(s): FUJITSU GENERAL LTD [000661] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 08-237781 [JP 96237781]  
FILED: September 09, 1996 (19960909)  
INTL CLASS: [6] H04N-009/74; G09G-005/00; G09G-005/24; H04N-005/278  
JAPIO CLASS: 44.6 (COMMUNICATION -- Television); 44.9 (COMMUNICATION -- Other)  
JAPIO KEYWORD:R004 (PLASMA)

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a technology by which easy-to-see characters are displayed even when the brightness of a background **image** with characters **superimposed** thereon is changed.

SOLUTION: A character signal from a character generating section 1 is **superimposed** on a background **image** signal generated from a background **image** generating section 2 **under** the control of a control section 6 and the resulting signal is displayed on a display section 10. The character signal is branched to an outer ridge generating section 3, by which an outer ridge of characters is generated and the character parts and dot data of the outer ridge part are **written** in a **mask** RAM 4. A background image signal from the background image generating section 2 or its inverting signal through an inverting circuit 7 is selected by a changeover circuit 8 based on an output signal from the mask RAM 4 read under the control of the control section 6 and when the mask signal is logical 0, the background image signal is generated and when the mask signal is logical 1, the inverse of the background image signal is generated. The background image signal whose character part and whose outer ridge part are inverted by the mask signal is selected by a changeover circuit 9 receiving the character signal and the character part is outputted as an output signal from a character coloring section 5.

24/5/4 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014405130 \*\*Image available\*\*

WPI Acc No: 2002-225833/200228

XRPX Acc No: N02-173249

Handwritten signature processing for user authentication involves  
controlling display of handwritten signature on display if signature  
satisfies condition such that signature is hard to discern by  
others

Patent Assignee: CANON KK (CANO ); MACHIDA H (MACH-I); OKAZAKI M (OKAZ-I);  
YOSHII H (YOSH-I)

Inventor: MACHIDA H; OKAZAKI M; YOSHII H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010054968	A1	20011227	US 2001873342	A	20010605	200228 B
JP 2002008037	A	20020111	JP 2000189340	A	20000623	200228

Priority Applications (No Type Date): JP 2000189340 A 20000623

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20010054968	A1	14	G08B-021/00	
JP 2002008037	A	7	G06T-007/00	

Abstract (Basic): US 20010054968 A1

NOVELTY - The method involves determining whether a predetermined condition is satisfied by an input **handwritten signature**. The display of the input **handwritten signature** is controlled on a display (301) when the predetermined condition is satisfied by the input **handwritten signature**, such that the displayed **signature** is **difficult** for others to **discern**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a **handwritten signature** processing apparatus;
- (b) a **handwritten signature** processing program;
- (c) and a computer readable recording medium which **stores handwritten signature** processing program.

USE - Applicable for user authentication.

ADVANTAGE - Enables flashing display of input **handwritten signature** when input **signature** satisfies predetermined condition including failure of user to remember his or her registered **signature**, without possibility of being perceived by other people.

DESCRIPTION OF DRAWING(S) - The figure shows the example of a display screen when a **handwritten signature** is registered.  
pp; 14 DwgNo 3/12

Title Terms: **HANDWRITING ; SIGNATURE ; PROCESS; USER; AUTHENTICITY; CONTROL; DISPLAY; HANDWRITING ; SIGNATURE ; DISPLAY; SIGNATURE ; SATISFY; CONDITION; SIGNATURE ; HARD**

Derwent Class: T01; W05

International Patent Class (Main): G06T-007/00; G08B-021/00

File Segment: EPI

30/5/25 (Item 12 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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010932699 \*\*Image available\*\*  
WPI Acc No: 1996-429649/199643  
XRPX Acc No: N96-362014

Handwriting **data decimation method for character recognition device - involves changing handwriting data non linearly and storing it in character recognition dictionary with help of dictionary production unit**

Patent Assignee: TOSHIBA KK (TOKE )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8212306	A	19960820	JP 9518922	A	19950207	199643 B

Priority Applications (No Type Date): JP 9518922 A 19950207

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8212306	A	15	G06K-009/68	

Abstract (Basic): JP 8212306 A

The method involves usage of a character recognition dictionary (4a) in which the character pattern is stored. The **handwriting** data character pattern is input by the co-ordinates input unit (1) through an input part (31). A **handwriting** data calculation unit (33) changes and decimates the **handwriting** data nonlinearly and **stores** it in the character recognition dictionary with the help of the dictionary production unit (34).

During the registration of a character pattern, the input part (34) reads the **handwriting** data from the character recognition dictionary. The character pattern that is read is displayed on a display unit (2). A new registration or **deletion** of the stored **handwriting** data character pattern are performed by viewing the character pattern stored in the dictionary.

ADVANTAGE - Improves character recognition rate. Registers character patterns efficiently.

Dwg.2/11

Title Terms: **HANDWRITING** ; DATA; DECIMATE; METHOD; CHARACTER; RECOGNISE; DEVICE; CHANGE; **HANDWRITING** ; DATA; NON; LINEAR; STORAGE; CHARACTER; RECOGNISE; DICTIONARY; HELP; DICTIONARY; PRODUCE; UNIT

Derwent Class: T04

International Patent Class (Main): G06K-009/68

File Segment: EPI

File 348:EUROPEAN PATENTS 1978-2006/ 200618

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File 349:PCT FULLTEXT 1979-2006/UB=20060504,UT=20060427

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Set	Items	Description
S1	33442	SIGNATURE? ? OR ESIGNATURE? ?
S2	2005	NAME? ?(3N) (SIGN? ? OR SIGNED OR SIGNING)
S3	9489	(NAME? ? OR HAND) (3N) (WRITE? ? OR WRITTEN OR WRITING) OR H- ANDWRITE? ? OR HANDWRITTEN OR HANDWRITING
S4	1356724	PATTERN? ? OR SHAPE? ? OR SHADING OR COLOR??? OR COLOUR??? OR GRAPHIC??? OR IMAGE? ? OR PICTURE? ?
S5	1011163	LINE? ? OR GRID? ? OR CHECKERBOARD? ? OR CHECKER()BOARD? ?
S6	80376	S4:S5(3N) (BACKGROUND? ? OR BACK()GROUND? ? OR BEHIND? ? OR - BENEATH OR UNDER OR UNDERNEATH OR UNDERSIDE? ? OR UNDERLAY??? OR UNDERLY??? OR ON()TOP OR OVERLAY??? OR OVERLAID OR OVER() (- LAY??? OR LAID) OR SUPERIMPOS??? OR SUPER()IMPOS???)
S7	1092	(S1:S3 OR STROKE? ?) (3N) (DELET??? OR OBSCUR??? OR HIDE? ? - OR HIDDEN OR HIDING OR DASH??? OR DOT OR DOTS OR DOTTED OR DO- TTING OR BROKEN OR MASK??? OR REDACT???)
S8	16	S1:S3(100N)S6(100N)S7
S9	9	S8 NOT AD=20000623:20030623/PR
S10	6	S9 NOT AD=20030623:20060505/PR
S11	10253	(DIFFICULT? OR HARD?? OR "NOT"() (EASY OR EASILY)) (3N) (OBSE- RV???? OR DISCERN???? OR OVERSEE???? OR SEE OR SEES OR SEEING OR SEEN OR SEEABLE)
S12	59	S11(100N)S1:S3
S13	0	S12(100N)S6:S7
S14	50	S12 NOT AD=20000623:20030623/PR
S15	46	S14 NOT AD=20030623:20060505/PR
S16	14	S15 AND IC=(G08B OR H04L OR G06F)

File 2:INSPEC 1898-2006/Apr W4  
(c) 2006 Institution of Electrical Engineers  
File 6:NTIS 1964-2006/Apr W4  
(c) 2006 NTIS, Intl Cpyrght All Rights Res  
File 8:Ei Compendex(R) 1970-2006/Apr W4  
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File 23:CSA Technology Research Database 1963-2006/Apr  
(c) 2006 CSA.  
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Apr W5  
(c) 2006 Inst for Sci Info  
File 35:Dissertation Abs Online 1861-2006/Apr  
(c) 2006 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2006/May 05  
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File 94:JICST-EPlus 1985-2006/Feb W1  
(c)2006 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2006/Apr W5  
(c) 2006 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2006/Apr  
(c) 2006 The HW Wilson Co.  
File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Apr 27  
(c) 2006 The Gale Group  
File 144:Pascal 1973-2006/Apr W2  
(c) 2006 INIST/CNRS  
File 239:Mathsci 1940-2006/Jun  
(c) 2006 American Mathematical Society  
File 256:TecInfoSource 82-2006/May  
(c) 2006 Info.Sources Inc  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info

Set	Items	Description
S1	188799	SIGNATURE? ? OR ESIGNATURE? ?
S2	423	NAME? ?(3N) (SIGN? ? OR SIGNED OR SIGNING)
S3	29986	(NAME? ? OR HAND) (3N) (WRITE? ? OR WRITTEN OR WRITING) OR H-ANDWRITE? ? OR HANDWRITTEN OR HANDWRITING
S4	7414378	PATTERN? ? OR SHAPE? ? OR SHADING OR COLOR??? OR COLOUR??? OR GRAPHIC?? OR IMAGE? ? OR PICTURE? ?
S5	3617174	LINE? ? OR GRID? ? OR CHECKERBOARD? ? OR CHECKER()BOARD? ?
S6	94116	S4:S5(3N) (BACKGROUND? ? OR BACK()GROUND? ? OR BEHIND? ? OR -BENEATH OR UNDER OR UNDERNEATH OR UNDERSIDE? ? OR UNDERLAY??? OR UNDERLY??? OR ON()TOP OR OVERLAY??? OR OVERLAID OR OVER() (-LAY??? OR LAID) OR SUPERIMPOS??? OR SUPER()IMPOS???)
S7	1441	(S1:S3 OR STROKE? ?) (3N) (DELET??? OR OBSCUR??? OR HIDE? ? -OR HIDDEN OR HIDING OR DASH??? OR DOT OR DOTS OR DOTTED OR DOTTING OR BROKEN OR MASK??? OR REDACT???)
S8	2004	S1:S3 AND S6:S7
S9	5	S1:S3 AND S6 AND S7
S10	4	RD (unique items)
S11	428503	POINT(2N)SALE? ? OR RETAIL??? OR PURCHAS??? OR SHOP? ? OR -SHOPP???
S12	20079	(CREDIT OR DEBIT) (3N)CARD? ?
S13	2081	(DIGITAL OR DIGITIZ??? OR DIGITIS??? OR ELECTRONIC) (3N) (PAD? ? OR TABLET? ?)
S14	12	S11:S13 AND S8
S15	11	RD (unique items)
S16	10	S15 NOT S10
S17	21290	(DIFFICULT? OR HARD?? OR "NOT"() (EASY OR EASILY)) (3N) (OBSERV???? OR OBSERVATION OR DISCERN???? OR OVERSEE???? OR SEE OR SEES OR SEEING OR SEEN OR SEEABLE)
S18	9	S17 AND S8

S19	3	RD (unique items)
S20	3	S19 NOT (S10 OR S16)
S21	246	S17 AND S1:S3
S22	0	S21 AND S11:S13
S23	1283	S11:S13 AND S1:S3
S24	273	S11:S13(5N)S1:S3
S25	217	RD (unique items)
S26	190	S11:S13(3N)S1:S3
S27	1	S26 AND S6:S7
S28	8961	(OBSUR??? OR HIDE? ? OR HIDDEN OR HIDING OR BLOCK???) (3N) (- VIEW???? OR SIGHT??? OR OBSERV????)
S29	86	S28 AND S1:S3
S30	2	S29 AND S6:S7
S31	0	S29 AND S11:S13
S32	3	S29 AND (PRIVACY OR PRIVAT? OR SECURITY OR SECURE? ? OR SE- CURING)